

Recombinant

DGRmAb®

**SIRT1 (DGR18233) Rabbit mAb (PBS Only)**

db14034-PBS

Package : 10µg 100µg

**Product Name** : SIRT1 (DGR18233) Rabbit mAb (PBS Only)**Cat.No.:** db14034-PBS**Synonyms** : SIR2; SIR2L1; SIR2alpha**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008]

**Immunogen**

Recombinant protein of human SIRT1

**Gene ID**

23411

**Swiss Prot**

Q923E4

**Synonyms**

SIR2; SIR2L1; SIR2alpha

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Calculated MW**

82 kDa

**Observed MW**

120 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR18233

**Isotype**

IgG

**Purity**

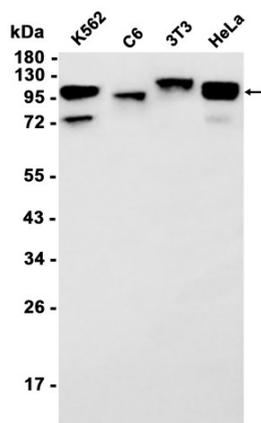
Affinity Purification

**Conjugation**

Un-conjugated

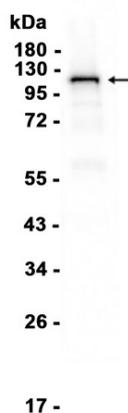
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

Western blot analysis of extracts from K562, C6, 3T3, HeLa cells using [db14034](#) at 1:1000.

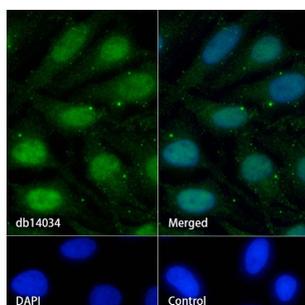


Western blot analysis of extracts from Rat pancreas tissue using [db14034](#) at 1:1000.

Rat pancreas



Immunofluorescence analysis of HeLa cells labelling SIRT1 with [db14034](#).



The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db14034](#) (1:100) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.